

Converting Colors

$Y_{xy}(33.7223, 0.2149, 0.1753)$

Have a look what the booklet for
Yxy(33.7223, 0.2149, 0.1753)
contains.

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Color

Yxy(32.1531, 0.2235, 0.1906)

Conversions

Conversions Part 1

Format	Color
Hex	8590FF
RGB	133, 144, 255
RGB Percent	52%, 56%, 100%
CMY	0.4782, 0.4353, 0.0000
CMYK	0.48, 0.44, 0.00, 0.00
HSL	235°, 100%, 76%
HSV	235°, 48%, 100%
XYZ	37.7031, 32.1531, 98.8379
YIQ	153.3650, -42.1870, 32.1890

Conversions

Conversions Part 2

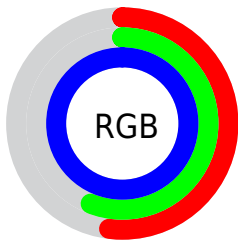
Format	Color
RYB	133, 143, 255
Decimal	8753407
CIELab	63.47, 24.84, -56.63
CIELCh	63, 61.843, 293.683
Yxy	32.1531, 0.2235, 0.1906
Android (android.graphics.Color)	4286943487 (0xFF8590FF)
YUV	153.3650, 50.1061, -17.8601
Hunter-Lab	56.7037, 19.4558, -63.6534

Details

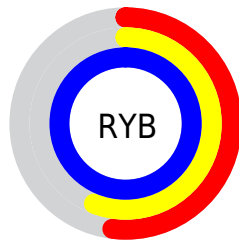
The Yxy color **32.1531, 0.2235, 0.1906** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **87.6945, 0.3881, 0.4372**, and the grayscale version is **31.8170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8146, 0.2707, 0.2654**, and **13.4991, 0.1980, 0.1577** is the 20% darker color. If you saturate the color by 10%, you get **23.9999, 0.2031, 0.1573**, and if you desaturate by 10%, it is **42.2560, 0.2444, 0.2239**.

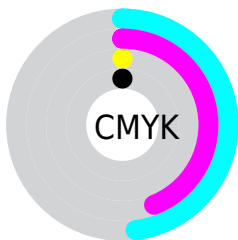
Distribution



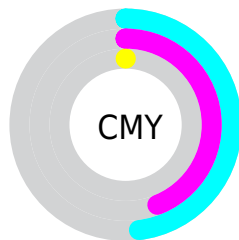
- Red (52%)
- Green (56%)
- Blue (100%)



- Red (52%)
- Yellow (56%)
- Blue (100%)



- Cyan (48%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.1531, 0.2235, 0.1906 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 32.1531, 0.2235, 0.1906 by changing the saturation by 10% instead.

 32.1531, 0.2235,
0.1906


 32.1531, 0.2235,
0.1906


311.8161, 0.2692,
0.2562


 21.4785, 0.2123,
0.1759


 63.0510, 0.2400,
0.2133

 13.4742, 0.1982,
0.1580


 84.0431, 0.2463,
0.2222

 7.7559, 0.1802,
0.1362


 109.2431, 0.2516,
0.2298

 3.9391, 0.1567,
0.1096

139.0355, 0.2561,
0.2365

 1.6396, 0.1257,
0.0774

173.8045, 0.2601,
0.2423

 0.3841, 0.0862,
0.0338

213.9347, 0.2635,

 0.0000, 0.0000,

0.2475

0.0000

259.8105, 0.2665,
0.2521

■ 32.1531, 0.2235,
0.1906

■ 32.1531, 0.2235,
0.1906

■ 23.9999, 0.2031,
0.1573

■ 42.2560, 0.2444,
0.2239

■ 17.6695, 0.1845,
0.1260

■ 54.4229, 0.2646,
0.2556

■ 13.0208, 0.1691,
0.0993

■ 68.7601, 0.2835,
0.2847

■ 9.8915, 0.1582,
0.0790

■ 85.3664, 0.3006,
0.3108

■ 8.0826, 0.1522,
0.0664

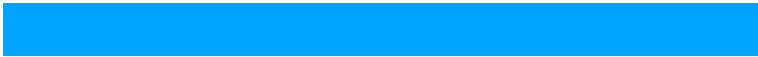
100.0000, 0.3127,
0.3290

■ 7.8276, 0.1513,
0.0645

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.1531, 0.1719, 0.1921



32.1531, 0.2235, 0.1906



32.1531, 0.3076, 0.2153

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



32.1531, 0.2235, 0.1906



32.1531, 0.5017, 0.3892



32.1531, 0.2135, 0.4066

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



32.1531, 0.2235, 0.1906



87.6945, 0.3881, 0.4372

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



32.1531, 0.2934, 0.4947



32.1531, 0.2235, 0.1906



32.1531, 0.4602, 0.4565

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



32.1531, 0.2235, 0.1906



32.1531, 0.4850, 0.3224



32.1531, 0.3833, 0.5055



32.1531, 0.1651, 0.2987

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.1531, 0.2235, 0.1906



32.1531, 0.3751, 0.2443



32.1531, 0.3833, 0.5055



32.1531, 0.2374, 0.4421

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



32.1533, 0.2235, 0.1906



74.8361, 0.2902, 0.2951



82.9700, 0.2545, 0.3429



15.2753, 0.2864, 0.2893



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.1533, 0.2235, 0.1906



24.6005, 0.2047, 0.1600



33.9334, 0.2562, 0.1902



17.6395, 0.2979, 0.3066



4.1782, 0.1516, 0.0658



0.4914, 0.1549, 0.0777

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40.0622, 0.4340, 0.3181



33.7587, 0.4722, 0.3167



86.3682, 0.3498, 0.4611



18.0135, 0.3280, 0.3269



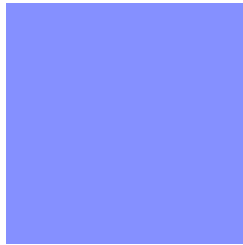
11.1498, 0.6303, 0.3246



1.0942, 0.6107, 0.3138

Previews

White Background



This preview shows how the Yxy color 32.1531, 0.2235, 0.1906 looks on a white background.

Color Contrast Check

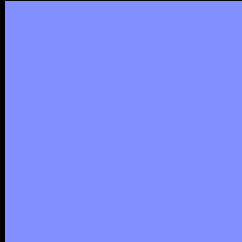
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 32.1531, 0.2235, 0.1906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

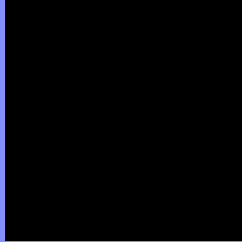
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.1531, 0.2235, 0.1906

Background



This preview shows how black text looks on a background with the Yxy color 32.1531, 0.2235, 0.1906.



This preview shows how white text looks on a background with the Yxy color 32.1531, 0.2235, 0.1906.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

32.1531, 0.2235, 0.1906

Protanopia

32.3477, 0.2123, 0.1940

Deuteranopia

32.3269, 0.2048, 0.1982



Tritanopia

32.2508, 0.2587, 0.3080

Trichromacy



Original Color

32.1531, 0.2235, 0.1906

Protanomaly

32.2514, 0.2159, 0.1928

Deuteranomaly

31.9717, 0.2102, 0.1941

Tritanomaly

31.6539, 0.2439, 0.2565

Monochromacy



Original Color

32.1531, 0.2235, 0.1906

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.6414, 0.2744, 0.2708

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1531, 0.2235, 0.1906 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(133, 144, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 144, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(133, 144, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 144, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.1531, 0.2235, 0.1906 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(133, 144, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(133, 144, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(133, 144, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 144, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 144, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 144,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1531, 0.2235, 0.1906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 144, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(133,  
144, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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